

Title (en)

VECTOR FOR GENE TRANSFER INTO PLANT ALLOWING OPTIONAL DELETION OF MARKER GENE

Title (de)

VEKTOR ZUM GENTRANSFER IN PFLANZEN, DER EINE WAHLWEISE DELETION DES MARKERGENS ERLAUBT

Title (fr)

VECTEUR POUR LE TRANSFERT GENIQUE DANS UNE PLANTE, PERMETTANT LA DELETION EVENTUELLE D'UN GENE MARQUEUR

Publication

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Application

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Abstract (en)

The present invention relates to a vector for introducing a desired gene into a plant, wherein a selectable marker gene introduced into a plant cell along with a desired gene is optionally removable from the DNA such as chromosome or the like where it exists and functions, then disappeared the function thereof after its expression, and the expression of the selectable marker gene and the disappearance of the function thereof are detectable by morphological change of the tissue derived from the plant cell into which the selectable marker gene is introduced. Also, the present invention constitutes a vector using a morphological abnormality induction gene as a selectable marker gene, while putting a removable DNA element under control of an inducible promoter, wherein the morphological abnormality induction gene is positioned such that it behaves integrally with the removable DNA element, and wherein a desired gene is positioned such that it does not behave integrally with the removable DNA element.

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